

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA2004/000994

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F16N11/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16N B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	DE 44 05 006 A (WENNER MANFRED E) 11 August 1994 (1994-08-11)  column 1, lines 21-35  column 2, lines 5-23 figures 1-3	1,3,5, 8-11,13, 14 2,6,7, 12,15
Y A	DE 38 11 468 A (SATZINGER GEBHARD GMBH CO) 19 October 1989 (1989-10-19) column 1, lines 3-6 column 2, lines 9-11 column 2, lines 64-68 column 3, lines 5-11 figures 1-3	1-3,5-14  4,15
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

24 January 2005

Date of mailing of the International search report

01/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	EP 0 982 527 A (LIMON FLUHME & CO DE) 1 March 2000 (2000-03-01)  paragraph '0001! paragraph '0015! - paragraph '0018! figures 1,2	1-3,5, 8-11,13, 14 4,12,15
Y A	US 5 968 325 A (SONG JIELIN ET AL) 19 October 1999 (1999-10-19) column 1, lines 4-9 column 2, lines 41-46 column 3, line 60 - column 4, line 53 figures 1-6	1,3,5,6, 8-14 2,15
Y A	US 4 744 442 A (DE BLIC EMANUEL M ET AL) 17 May 1988 (1988-05-17)  column 1, lines 4-19 column 1, lines 59-68 column 2, line 57 - column 3, line 33	1,3,5, 7-11,13, 14 2,12,15

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000994

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4405006	A	11-08-1994	DE 4405006 A1	11-08-1994
DE 3811468	A	19-10-1989	DE 3811468 A1	19-10-1989
			AU 3282689 A	03-11-1989
			WO 8909884 A1	19-10-1989
			EP 0393152 A1	24-10-1990
EP 0982527	A	01-03-2000	CA 2299490 A1	24-08-2001
			EP 0982527 A1	01-03-2000
US 5968325	A	19-10-1999	NONE	
US 4744442	A	17-05-1988	NL 8501839 A	16-01-1987
			CA 1266622 A1	13-03-1990
			DE 3670359 D1	17-05-1990
			EP 0209926 A1	28-01-1987
			JP 62004996 A	10-01-1987

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